

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE
SOUTH DAKOTA

**OPERATION AND MAINTENANCE PLAN
WASTE TREATMENT LAGOON
CODE 359**

Landowner/Operator _____

Job Location _____ GPS _____

Prepared By _____ Date _____

Operation and Maintenance Items

Operation and maintenance (O&M) is necessary for all conservation practices and is required for all practices installed with NRCS assistance. The landuser is responsible for proper O&M throughout the life of the practice and as may be required by Federal, state or local laws or regulations.

Operation refers to operation of the practice in compliance with all laws, regulations, ordinances, and easements; and in such a manner that will result in the least adverse impact on the environment and will permit the practice to serve the purpose for which it was installed. Maintenance includes work to prevent deterioration of the practice, repairing damage, or replacing components which fail.

Necessary operation and maintenance items for this practice include:

- ☐ Prior to the storage season, empty the lagoon following the design.
- ☐ Maintain all pumps, agitators, piping, valves and other electrical and mechanical equipment in good operating condition following the electrical code and manufacturers' recommendations. Inspect and repair grounding rods, switches and wiring.
- ☐ Settlement or cracks in earthen sections must be investigated (to determine the cause) and repaired.
- ☐ Inspect concrete for accelerated weathering, spalling, settlement, misalignment or cracks. Repair defects.
- ☐ Inspect rock riprap for accelerated weathering and displacement. Repair to original grades if necessary.
- ☐ Inspect metal surfaces for rust and other damage. Especially inspect sections in contact with earthfill and/or other materials. Repair or replace damaged sections and apply a protective covering.
- ☐ Make sure all structure drains are functional and soil is not being transported through the drainage system. Screens and/or rodent guards must be maintained and in place.
- ☐ Repair any rodent, burrowing animal, vandalism, vehicle, or livestock damage.
- ☐ Maintain vigorous growth of vegetative coverings. This includes reseeding, fertilization, and application of herbicides when necessary. Periodic mowing may also be needed.
- ☐ Fences, railings, and warning signs must be maintained to provide warning and prevent unauthorized entry.

Other _____
